FIG.1

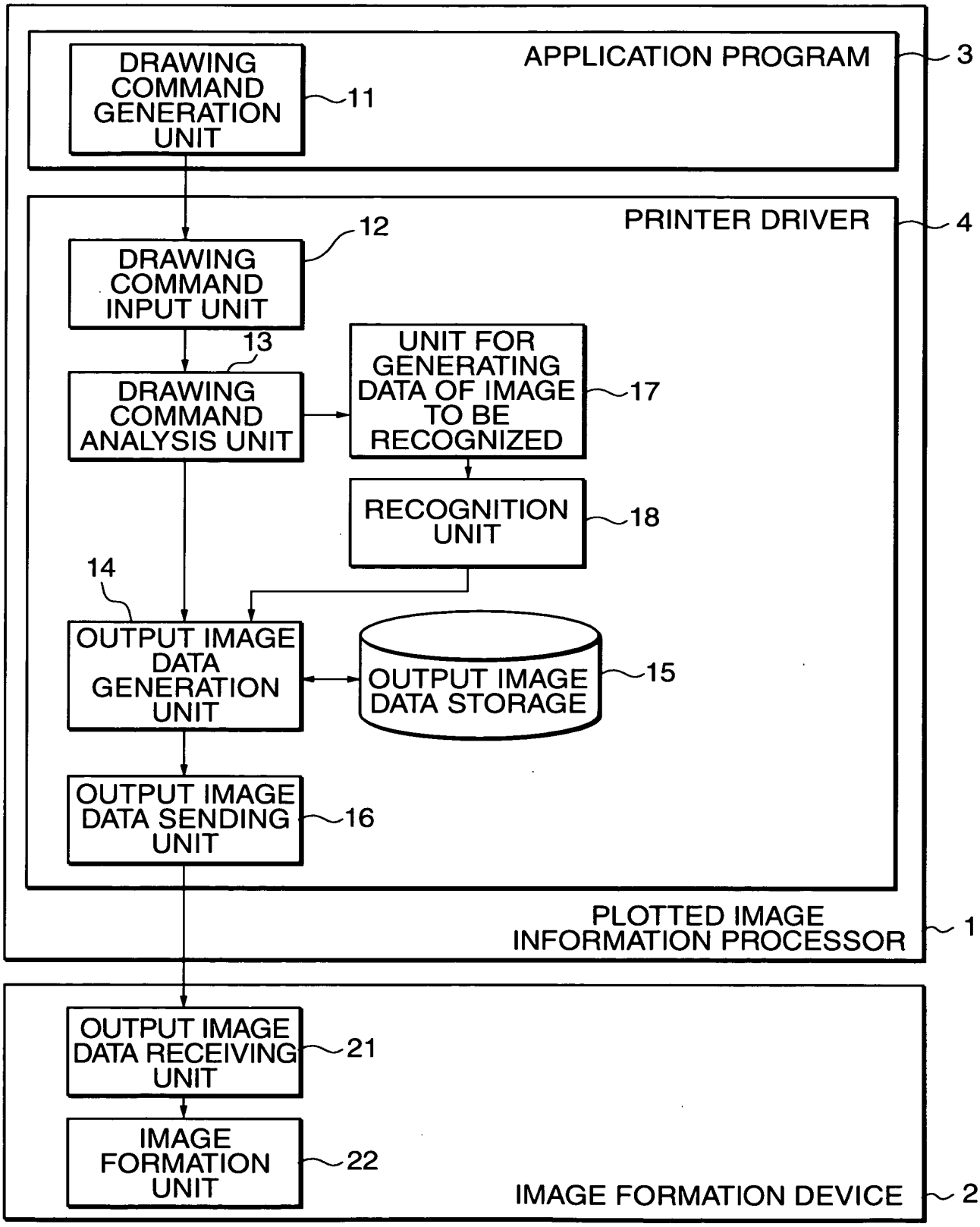

APPLICATION PROGRAM
3
DRAWING COMMAND GENERATION UNIT
11
PRINTER DRIVER
4
12
DRAWING COMMAND INPUT UNIT
13
DRAWING COMMAND ANALYSIS UNIT
UNIT FOR GENERATING DATA OF IMAGE TO BE RECOGNIZED
17
RECOGNITION UNIT
18
14
OUTPUT IMAGE DATA GENERATION UNIT
OUTPUT IMAGE DATA STORAGE
15
OUTPUT IMAGE DATA SENDING UNIT
16
PLOTTED IMAGE INFORMATION PROCESSOR
1
OUTPUT IMAGE DATA RECEIVING UNIT
21
IMAGE FORMATION UNIT
22
IMAGE FORMATION DEVICE
2

FIG.2

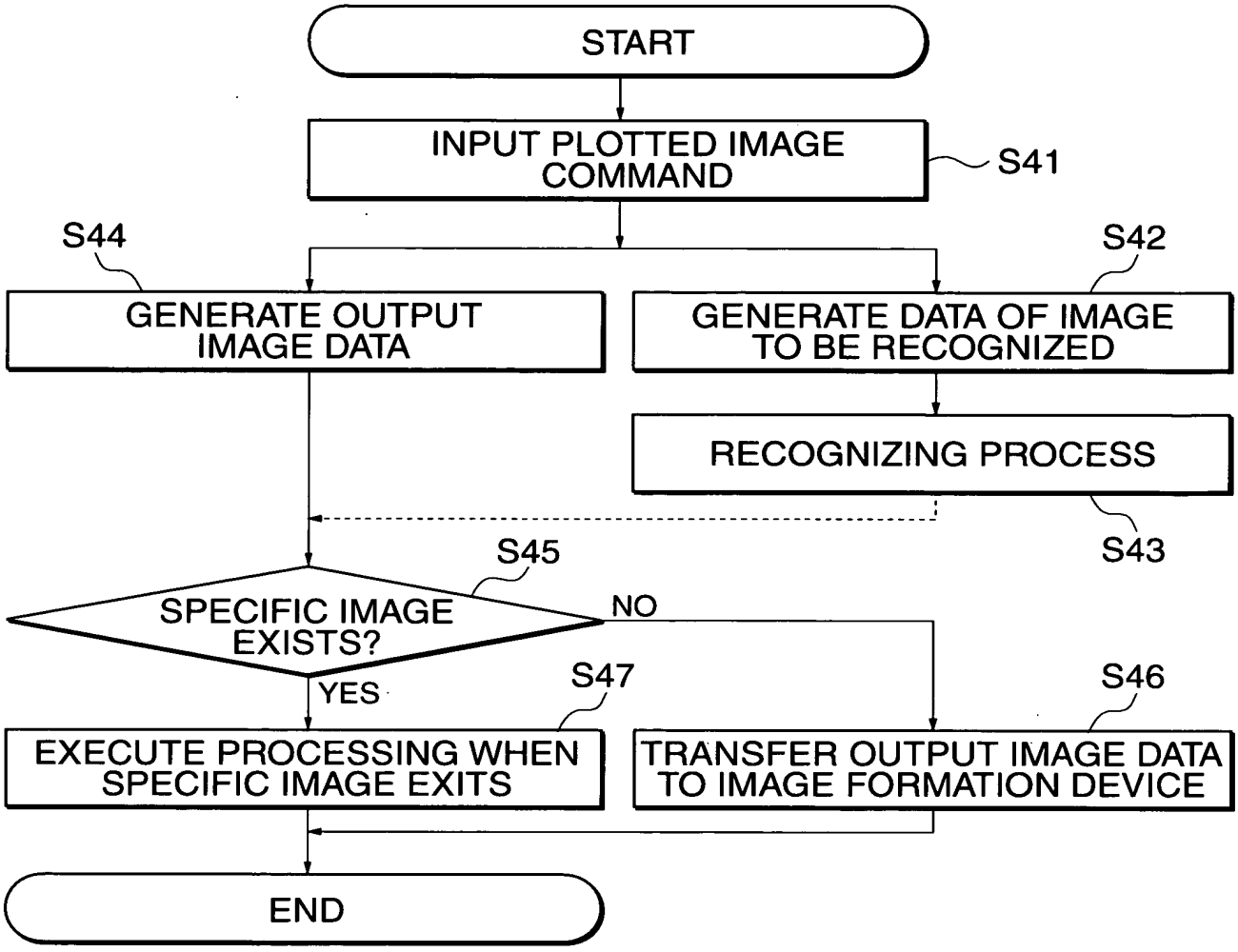

START
INPUT PLOTTED IMAGE COMMAND
S41
S44
S42
GENERATE OUTPUT IMAGE DATA
GENERATE DATA OF IMAGE TO BE RECOGNIZED
RECOGNIZING PROCESS
S43
S45
SPECIFIC IMAGE EXISTS?
NO
YES
S47
S46
EXECUTE PROCESSING WHEN SPECIFIC IMAGE EXITS
TRANSFER OUTPUT IMAGE DATA TO IMAGE FORMATION DEVICE
END

FIG.3

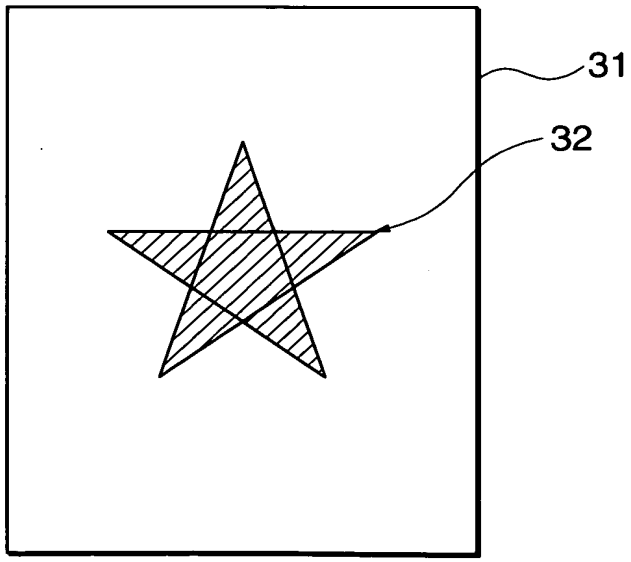

31
32

FIG.4A

```
(a, b) lineto
(b, c) lineto
(c, d) lineto
(d, e) lineto
closepath
(color) fill
   .
   .
   .
```

FIG.4B

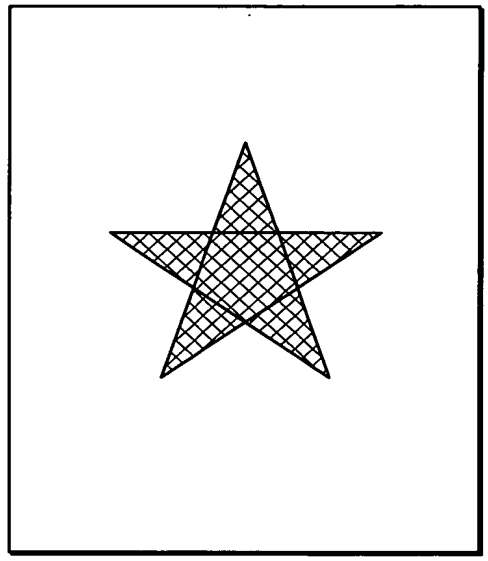


FIG.5A

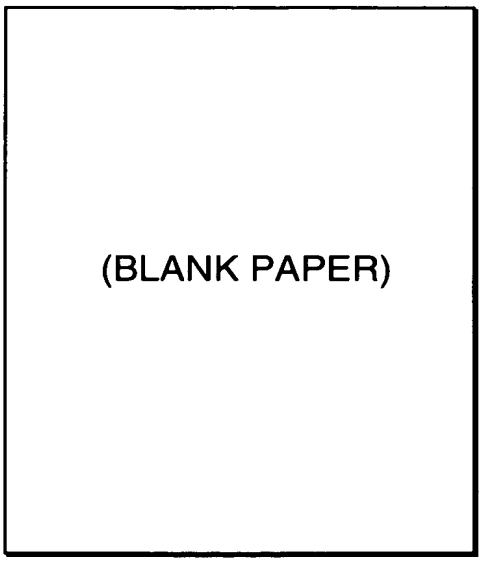


FIG.5B

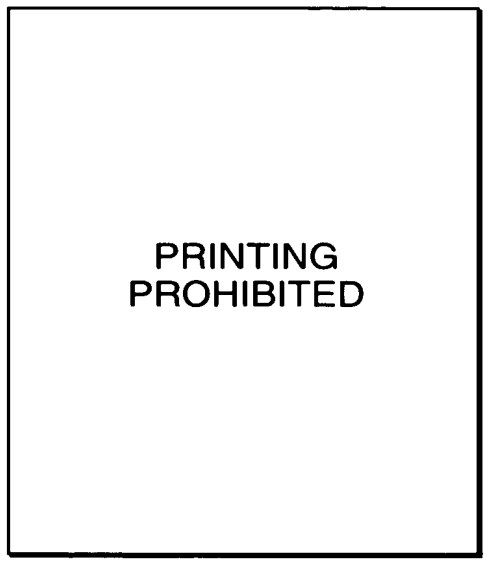


FIG.6

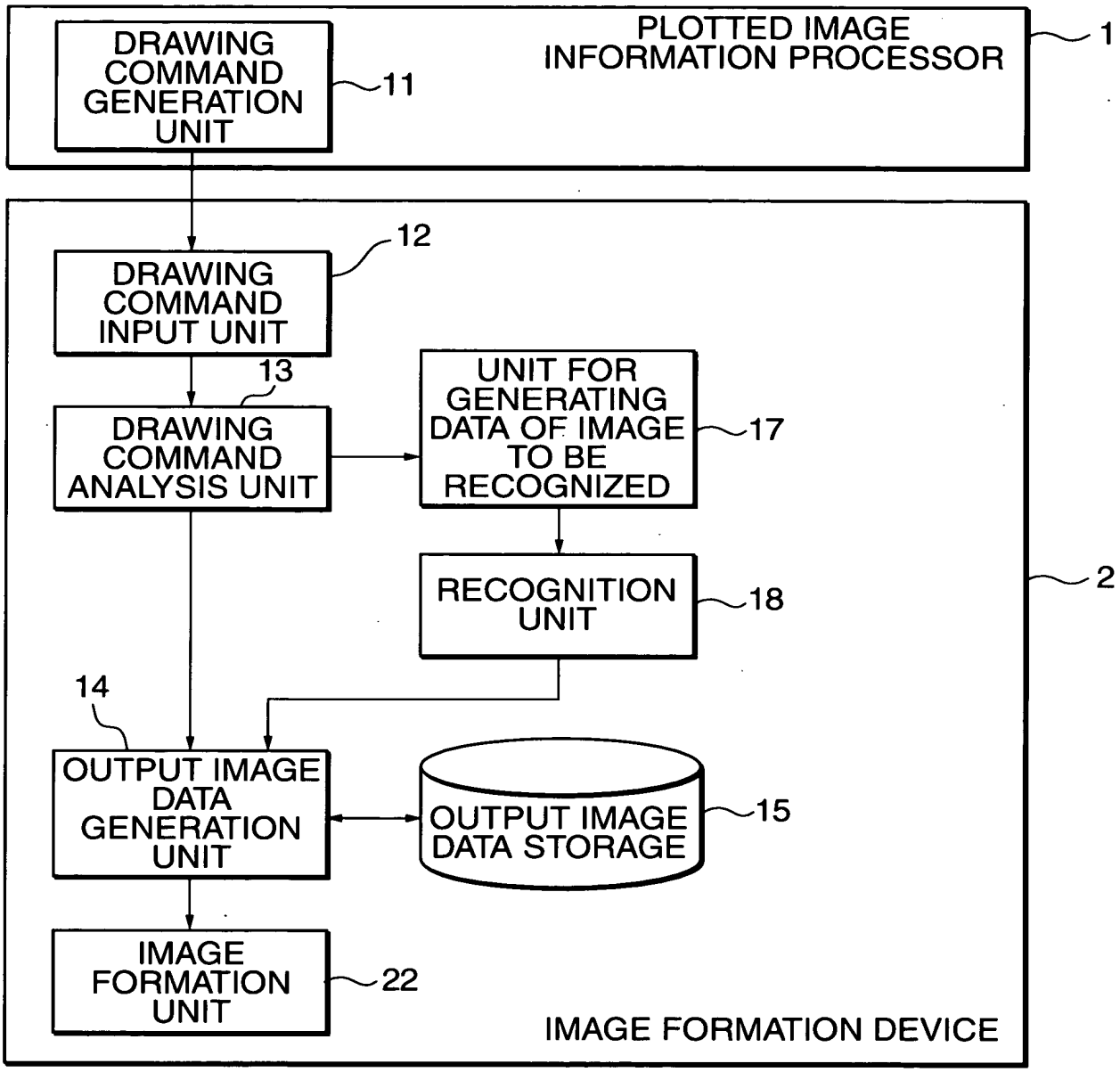

PLOTTED IMAGE INFORMATION PROCESSOR
1
DRAWING COMMAND GENERATION UNIT
11
DRAWING COMMAND INPUT UNIT
12
DRAWING COMMAND ANALYSIS UNIT
13
UNIT FOR GENERATING DATA OF IMAGE TO BE RECOGNIZED
17
RECOGNITION UNIT
18
2
14
OUTPUT IMAGE DATA GENERATION UNIT
OUTPUT IMAGE DATA STORAGE
15
IMAGE FORMATION UNIT
22
IMAGE FORMATION DEVICE

FIG.7

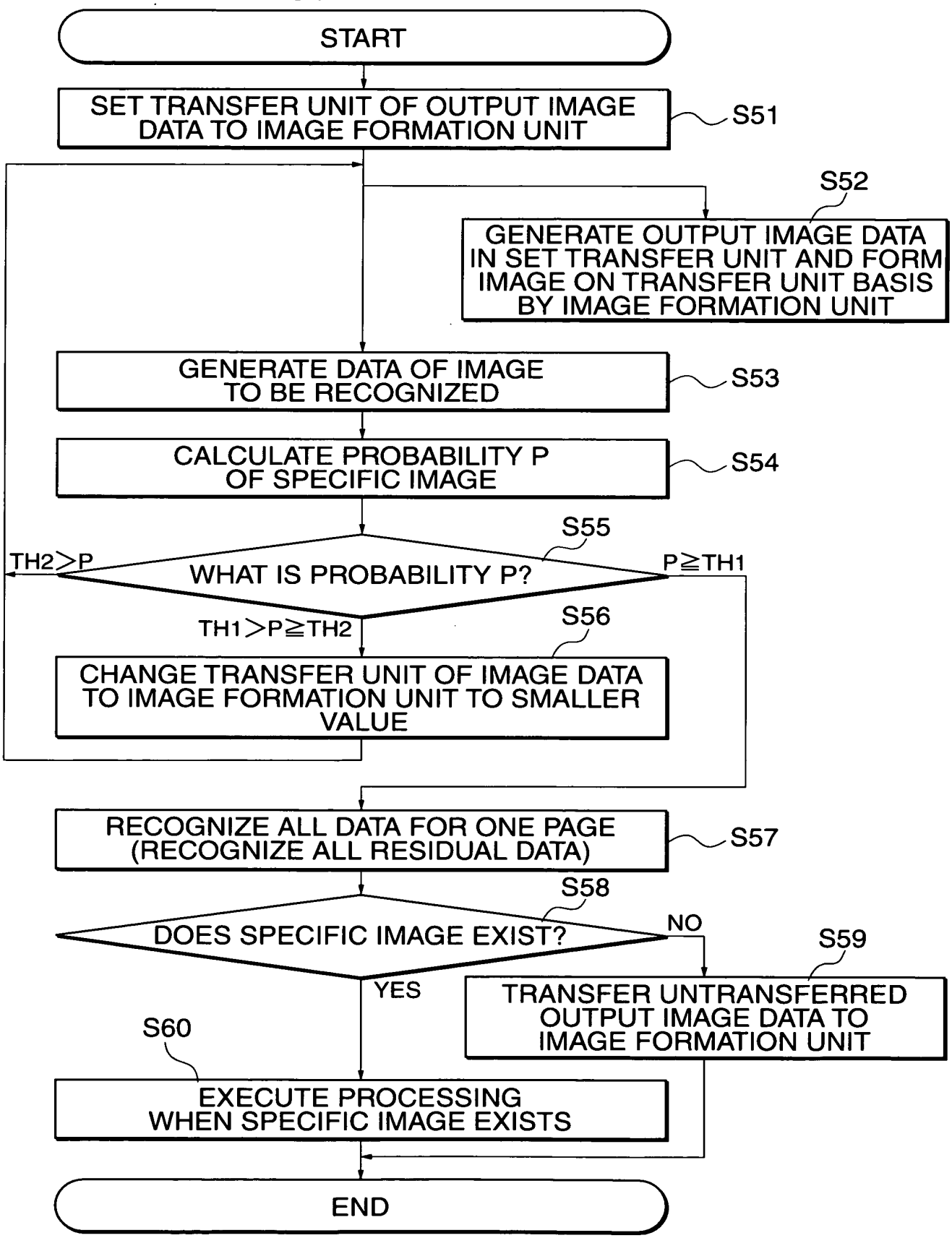
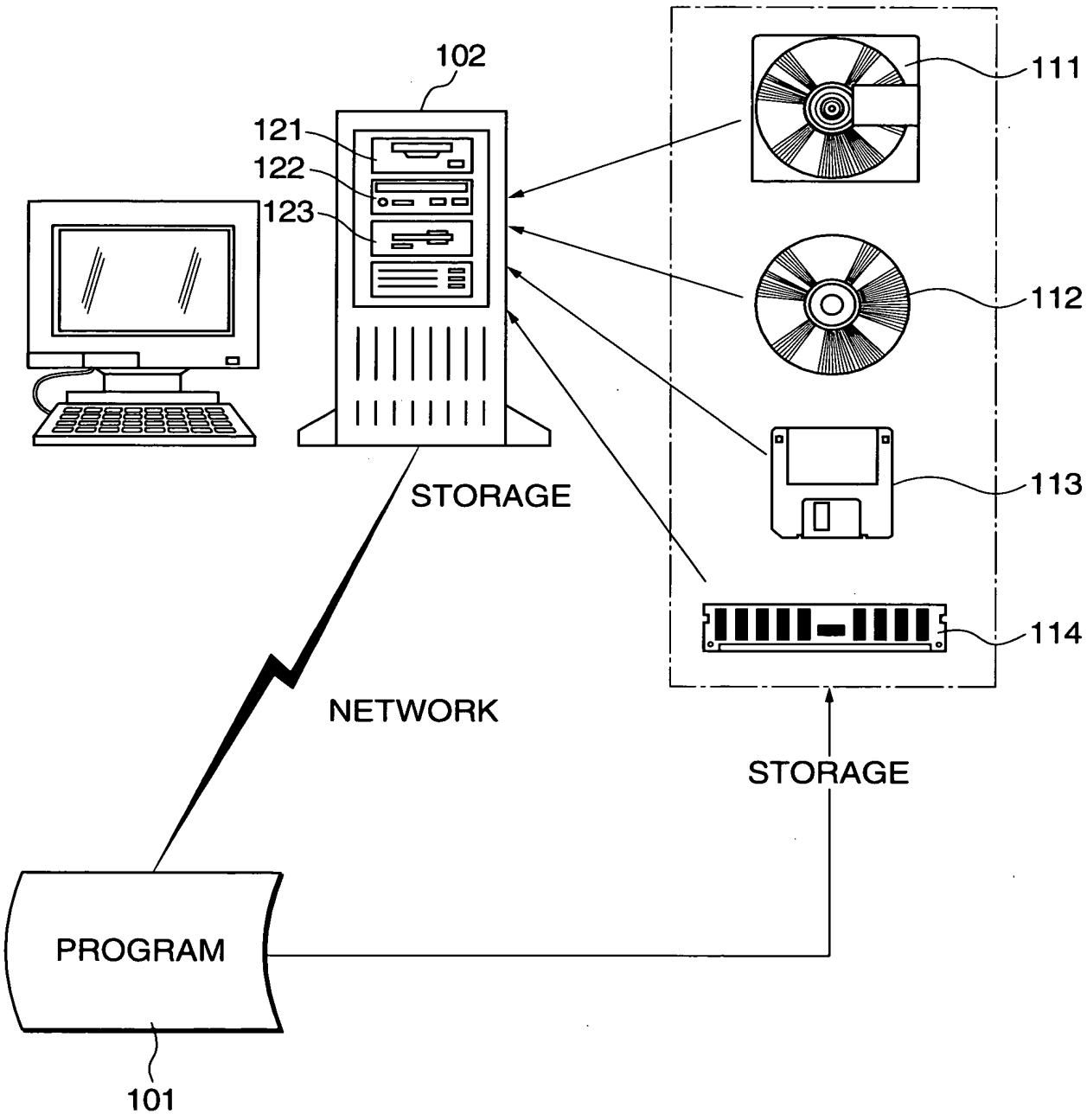

START
SET TRANSFER UNIT OF OUTPUT IMAGE DATA TO IMAGE FORMATION UNIT
S51
S52
GENERATE OUTPUT IMAGE DATA IN SET TRANSFER UNIT AND FORM IMAGE ON TRANSFER UNIT BASIS BY IMAGE FORMATION UNIT
GENERATE DATA OF IMAGE TO BE RECOGNIZED
S53
CALCULATE PROBABILITY P OF SPECIFIC IMAGE
S54
S55
WHAT IS PROBABILITY P?
TH2>P
P≧TH1
TH1>P≧TH2
S56
CHANGE TRANSFER UNIT OF IMAGE DATA TO IMAGE FORMATION UNIT TO SMALLER VALUE
RECOGNIZE ALL DATA FOR ONE PAGE (RECOGNIZE ALL RESIDUAL DATA)
S57
S58
DOES SPECIFIC IMAGE EXIST?
NO
YES
S59
TRANSFER UNTRANSFERRED OUTPUT IMAGE DATA TO IMAGE FORMATION UNIT
S60
EXECUTE PROCESSING WHEN SPECIFIC IMAGE EXISTS
END

FIG.8


102
121
122
123
111
112
113
114
STORAGE
NETWORK
STORAGE
PROGRAM
101